

In the Claims:

1. (Currently amended). An isolated DNA sequence comprising a polynucleotide encoding a polypeptide set forth in selected from the group consisting of SEQ ID Nos: 1, 3-19 wherein said polypeptide is required for the synthesis of antibiotic TA.
2. (Cancelled).
3. (Cancelled).
4. (Currently Amended). A vector comprising the isolated DNA sequence according to claims 1-~~or~~2.
5. (Currently amended). A vector, according to claim 4, further comprising a promoter sequence operatively linked to the said isolated DNA sequence.
6. (Previously Amended). A host cell transformed with the vector according to claim 5.
7. (Previously Amended). An *E. coli* host cell transformed with the vector according to claim 5.
8. (Previously Amended). A method of making a polypeptide comprising the following steps:
culturing a host cell according to Claim 6 under such conditions that the encoded polypeptide is expressed, and
isolating said encoded polypeptide.
9. (Withdrawn). A transformed *E. coli* carrying Seq. ID No:1 and 2.

10. (cancelled).

11. (Currently amended). ~~The A host cell, wherein the host cell is selected from the group of suitable eukaryotic and prokaryotic cells, of claim 6, wherein said host cell is a eukaryotic or a prokaryotic cell, which is transformed with the vector according to claim 10.~~

12. (Cancelled).

13. (Currently amended). ~~The vector of claim 5, wherein said vector is a A recombinant expression vector comprising a DNA sequence according to claim 7.~~

14. (Currently amended). A cosmid containing the DNA sequence according to claim 1-7.

15. (Withdrawn). A method of using the TA genes for combinatorical genetics.

16. (Withdrawn). A method of using the TA genes encoding for the synthesis, modification or regulation of antibiotic TA.